Transforming Marine Corps C²

Extending C² to Maneuvering Marines

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Bottom Line up Front

Where are we going…?

- ***Net Centric Warfare: All Joint and Service C4I transformation strategies (Future Combat System (FCS), ForceNet, WIN-T, etc.) call for a integrated data networking environment. In the Marine Corps:***
  - ***There is only limited funding available to transform the maneuver elements' C4 until after FY2010***
  - ***Current experimentation demonstrates we can bridge the "Digital Divide" between the MAGTF's MSCs and their Maneuver Elements now by enabling digital access to the data from the bottom up.***
  - ***Building to "Capability Sets" vice "Specific Systems" enables the Marine Corps to use current Programs of Record e.g., JTRS or FICCS, to accelerate acquisitions .***

Capability Shortfalls

Why do we care…?

- ***In all conflicts since the introduction of tactical data networking the following has applied:***
  - ***<u>The Digital Divide</u> - Major Subordinate Commands are provided sufficient capacity while data access by Maneuver Element Commands is limited.***
  - ***<u>Tactical Networking</u> –***
    - ***Not all units have the systems necessary to access data***
    - ***Maneuver Elements are dependent on Line of Sight Radios.***
    - ***No On The Move (OTM) Over The Horizon (OTH) data capability***
  - ***<u>No New Radios</u> - Most units have access to ONLY the following waveforms:***
    - ***SINCGARS, HaveQuick II, HF ALE, EPLRS, TACSAT***

    JTRS will add Wideband Networking Waveform, but not in sufficient number until 2010 and beyond.
  - ***<u>C4 Procurements</u> - Traditionally our Architecture is built on the equipment in T/Es, should be refocused on procuring C4 capability sets that fulfill our Architectural Vision .***

How do we provide Tactical Networking to all without the expense of new infrastructure?

Focus of the TC2 Agenda

- ***Purpose – <u>LtCol Debra Beutel</u> , MCCDC EFDC***
  - ***Recent History – Urgent UNS, OIF Lessons Learned***
  - ***How does MCCDC (EFDC) address identified warfighter needs***
  - ***Integrating the USMC "I wants" with the Joint/Naval "Will dos"***
  - ***The Architectural Approach***
- ***The End State – <u>LtCol Greg Breazile</u>, HQMC C4***
  - ***Future C4 Initiatives***
    - ***Transformational Communications System (TCS)***
    - ***Joint Tactical Radio System (JTRS)***
    - ***Global Information Grid Enterprise Services (GES)***
    - ***Joint Command and Control (JC2)***
- ***The Approach – <u>LtCol J.D. Wilson</u>, MCSC***
  - ***The STOM Bridge Architectural Approach (CoNDOR)***
  - ***Systems/Interim Architecture***
  - ***Proposed Materiel Solutions – Programs of Record***
- ***Summary***

Briefs Completed to date

- MARFORPAC
  - I MEF/IIIMEF 24 Sept-3 Oct 2003
- MARFORLANT
  - II MEF 30 Oct/3 Nov 2003
- MARFORRES
  - 4 Nov 2003

OPFORs Top Ten Issues

- 1. What are we doing to alleviate data training deficiencies in the operating forces in the intermediate and advanced near and far-term? (I MEF)
- 2. Is there anyway to effectively speed up the EFDS process – accelerating acquisition cycle? Requirement process? (I MEF)
- 3. Architecture creates framework and stabilizes equipment solution. Concerned there is no parallel process approach. Left to the design of one person, or contractor, or single point of view. Need to develop concurrent development process to get both equipment and application process. (1st MAW)
- 4. Increased requirement for comm., C2 systems, and architecture. What is Marine Corps doing for T/O, manning, and training. (III MEF)
- 5. Who is in charge for the Marine Corps C2 systems? Shouldn't it be the CIO for: (1) Info Mgmt, (2) C2 and Integration (I MEF)

OPFORs Top Ten Issues cont…

- 6. What's the plan for the future of C2 within the USMC? We need more operators (communicators), Total Force issue, What's the T/O review process? What's the doctrine/capability review process? Increased requirement for comm., C2 systems, and architecture.
- 7. Is there a Joint Operational Architecture? (MARFORLANT)
- 8. Is there a standard Joint Collaborative tool suite? (MARFORLANT)
- 9. Who is taking lead on BFT? (MARFORLANT)
- 10. There is a concern that the G6 and S6 went from being special staff to primary staff and unless they migrate to becoming become a C2 staff , they will be irrelevant and will become a special staff again. (II MEF)

Way Ahead

- MCCDC, MCSC and HQMC, C4 prepare a coordinated message response for release to OPFORS addressing issues brought to light during TC2 Road show
- Recommend bi-annual Road show to OPFORS to maintain SA and information exchange